RECEIVED
CENTRAL FAX CENTER
AUG 0 8 2006

Amendments to the Claims:

Listing of Claims:

1. (previously amended) A torque responsive actuation device comprising, a split pulley having a pair of upper and lower pulley halves forming a V slot therebetween to receive a drive belt; a cylindrical cam cone means maintained to extend outwardly from a center of a top face of said upper pulley half and including a plurality of equally spaced identical right triangle cam sections each including a like sloping cam track that extends along said right triangle hypotenuse side; a shaft means extending from said lower pulley half; a carrier means whereto are arranged a plurality of cam follower means that each include a roller bearing means for each said sloping cam track, with said carrier means maintained through a connector means to said lower pulley half, said connector means including a plurality of connectors, each connector being spaced away from the center of said lower pulley half and projecting through an opening formed in the upper pulley half, and each said cam following means roller bearing means includes a roller journaled thereto having a surface that contacts one of said sloping cam tracks, to roll therealong, and either said roller contact surface or said sloping cam track surface is radiused or crested, to be equally curved or sloped downwardly from a highest point or surface of each said sloping cam track to the sides of each said right triangle cam section; and spring biasing means for urging said carrier means away from said upper pulley half top face.

2. (Original) A torque responsive actuation device for a belt drive system as recited in claim 1, wherein either the roller contact surface or the sloping cam track surface is formed with a convex surface between said roller sides or said cam track sides to have a radius selected for the cylindrical cam cone cam track slope.

3. (twice amended) A torque responsive actuation device as recited in claim 2, wherein either the roller contact surface or the sloping cam track surface is formed to have

a center apex therearound or therealong wherefrom two like, oppositely sloping, flat surfaces slope to the roller sides or the sloping cam track surface sides.

4. (Original) A torque responsive actuation device as recited in claim 1, wherein the shaft means is a straight cylindrical shaft connected at its lower end to the pulley lower half, passes through the pulley upper half and connects, to its upper end to the carrier means; and the spring biasing means is a coil spring disposed around said straight cylindrical shaft between said upper pulley half and said carrier means.

5. (twice amended) A torque responsive actuation device as recited in claim 1, wherein the means for connecting the carrier means to the lower pulley half are a plurality of equally spaced piers that each include rods extending axially out of top ends thereof, which said piers are each secured, at their lower ends, to said lower pulley half hub, are each radially equidistant from the center of said lower pulley half and will project at right angles through holes formed in the upper pulley half, with ends of said rods secured to said carrier means at approximately right angles to the undersurface thereof.

6. (twice amended) A torque responsive actuation device for a belt drive system as recited in claim 1, further including spaced holes formed through the carrier means that are identical arcuate slots, are spaced equally from one another, at equal radial distances from the carrier means and are aligned for receiving the right triangle cam sections fitted therein.

7. (original) A torque responsive actuation device as recited in claim 1, wherein the cylindrical cam cone is formed to have a bottom portion for securing to the top face of the upper pulley half.

8 – 24. (canceled)